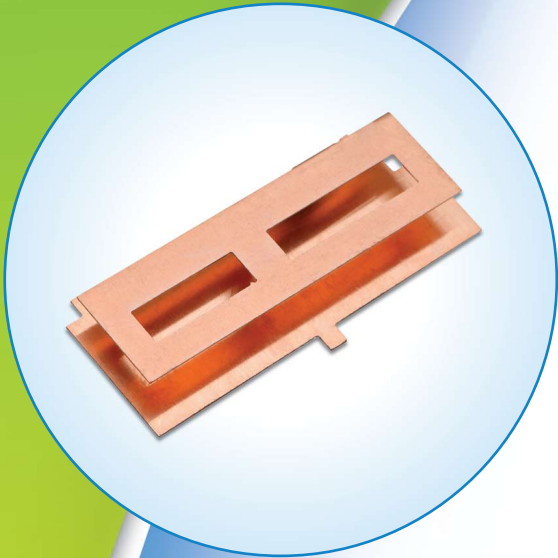


Airgain)))



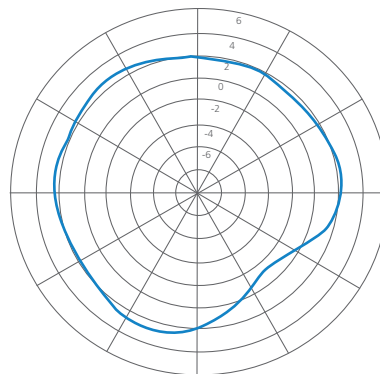
Ultra 30 DECT

High-Performance Embedded Antenna Solution for DECT applications

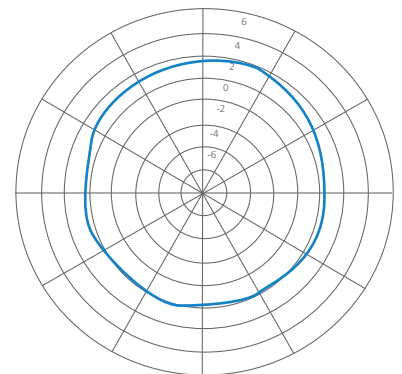
Based on Airgain's patented technology, the Ultra 30 DECT Embedded Antenna provides a high efficiency, embedded antenna solution for Digital Enhanced Cordless Telecommunications (DECT) applications in the 1.9GHz, Unlicensed Personal Communications Service (UPCS) band. As the need for embedded antenna solutions serving multiple communication channels grows in next generation wireless product design, the Ultra 30 DECT provides a top performance embedded antenna for local voice communication requirements. This antenna is designed to accommodate most DECT applications which may be incorporated into home network routers, gateways, or stand alone devices. The Ultra 30 DECT can be easily integrated onto a PCB design.

ANTENNA RADIATION PATTERNS

AZIMUTH



ELEVATION



FEATURES

- 1.92 to 1.93 GHz "UPCS" band (DECT band in U.S.)
- On-board mounting
- Designed for mounting locations along any board edge
- 3.0 dBi @1.92 GHz peak gain
- High efficiency

BENEFITS

- Eliminates external dipole
- Enables quick integration
- Achieves high performance

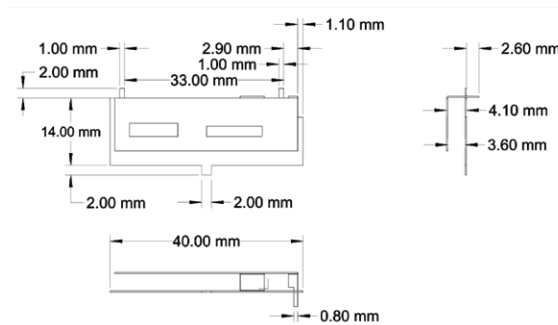
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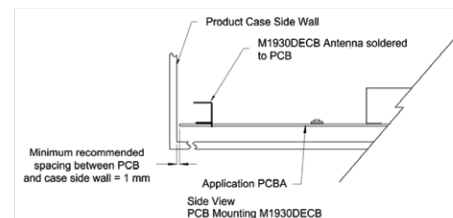
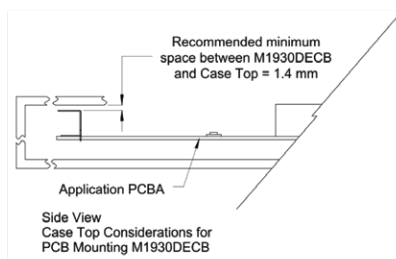
Expanding the Range of Wireless Possibilities

PRODUCT SPECIFICATIONS	
Standard	DECT (U.S.)
Frequency Range	1.92 to 1.93 GHz
Peak Gain	3.0 dBi @ 1.92GHz
VSWR	2:1 Max
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	1 Through Hole pin, RF Feed and 3 SMT pins, RF GND for transmission line connections on PCB
Dimensions	40 x 18 x 4.1 (mm)
Weight	2g (0.08 oz)

MECHANICAL DIMENSIONS



MOUNTING



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